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NAUTICAL TERMS

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NAUTICAL TERMS

In English and in French.

WITH USEFUL TABLES.

BY

LEON DELBOS, M.A.

H.M.S. BRITANNIA.



WILLIAMS AND NORGATE,

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PREFACE.

This Vocabulary of Nautical Terms possesses at least one merit, that of accuracy. The manner in which it has been compiled can scarcely leave any doubt on that head. All the terms referring to the parts of the ship, or to her rigging—in short, all words used in seamanship—have been verified by means of illustrated and explanatory diagrams in each language. Besides this, some of the best books have been consulted, and especially Captain Nares' 'Seamanship,' and the most excellent translation of it by Lieut. Ed. Tiret of the French Navy.

The words of command have been tested over and over again—a very necessary thing, considering the difficulty of this portion of the work.

The utility of such a book is, I think, obvious. Officers of the Merchant Service, who have such frequent occasions of ordering repairs whilst in a foreign port, or of employing either French or French-speaking pilots, will find it no less useful than officers of the Royal Navy.

LEON DELBOS.

H.M.S. BRITANNIA,

DARTMOUTH,

January, 1889.

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INTRODUCTION.

SINCE this Vocabulary of Nautical Terms appeared, at the beginning of the present year, it has undergone constant revision. The Compiler has found, by practical use, that very important words, used especially in modern naval warfare, had been omitted, owing to the difficulty of collecting together all the useful words without burdening the book with long columns of obsolete terms. These words have now been added before the entire edition is exhausted, so that present purchasers may have at once the benefit of them. We have also taken this opportunity of making a few necessary corrections.

LEON DELBOS.

H.M.S. BRITANNIA, DARTMOUTH, May, 1889.

PAGE

1—aback (to be taken). faire chapelle.

2—aft (haul aft jib sheet!). hâlez le foc!

2—altitude (meridian). la hauteur méridienne.

3—armour (of ships). blindage, m., cuirasse, f.

3—aye, aye! (answer to an

order). bien monsieur! bien capitaine!

answer to a challenge: — The coxswain, in the French Navy, answers as follows: If there is in the boat an officer superior to the rank of captain—Amiral! If the officer is the captain of the ship—Commandant! If he is the captain of another ship, the name of the ship is mentioned first—'Colbert,' commandant! If any other superior officer—Officier superiour! If any other officer—Officier! If there is no officer, and the boat is going to the ship which challenged her, the coxswain answers—A bord! English 'No, no!' If not going on board that ship—Rade!

4—balcony (stern walk). la galerie de poupe.

4—belt (of armour). une ceinture blindée.

PAGE

5-berth (to give a wide -). éviter.

6-board (to) (as an enemy). aborder, &c.

6— " " (as a friend).

6—block (mooring).

7—bore (of a gun).

8—bowsprit (torun in the —). rentrer le beaupré.

8—brace (to) the yards.

9-buffers (hydraulic).

10-bunk.

10—bunker (coal).

10—cadet (naval).

11—capstan (steam).

11—cashier (to).

12-channel (buoyed -).

13-coffer dam.

14-column (the rear -).

15—compass error.

15—conning tower.

15—course (to alter the —).

15— to steer a —.

16—cross (to) (like 2 ships). se croiser.

16—cruiser.

16— torpedo —. east.

16—current (the current sets

17-derrick.

17—deviation (of compass).

17—direction.

17— directions.

17— sailing —s for the English Channel.

18—draft (what is your — of water?)

21—float (to — a ship).

21-flood.

21- - tide.

aller à bord.

une ancre de corps mort.

calibre, m., âme, f.

brasser les vergues. frein hydraulique, m.

couchette, f.

la soute au charbon.

un élève de marine.

cabestan à vapeur.

casser.

une passe balisée.

bâtardeau, m.

la colonne de queue.

la variation du compas.

le kiosque de la barre.

changer la route. suivre une route donnée.

un croiseur.

un croiseur torpilleur.

le courant porte à l'est.

un mât de charge.

la déviation.

direction, f., gisement, m.

instructions, f. pl.

instructions sur la Manche.

Combien calez-vous?

mettre un navire à flot.

le flux.

marée, f., flux, m.

	3
PAGE	
21—fly (to let —).	larguer en bande.
21—foggy.	brumeux.
21—fore.	avant, de l'avant.
22— rigging.	le gréement de l'avant.
22—forge (to) ahead.	courir de l'avant.
23—garnet.	un palan de charge.
23—gear.	les apparaux, m.
23— to throw into —.	enclancher. [l'électricité.
23— electric firing —.	dispositif de mise à feu par
23— steam steering —.	barre à vapeur, f.
23— turret turning—.	le vireur de la tourelle.
23— training —.	les engins de pointage, m.
24—guard ship.	le ponton amiral.
24—gun.	canon, m.
24— to scale a —.	flamber un canon.
24— machine —.	mitrailleuse, f.
24— quick firing —.	canon à tir rapide.
24— saluting—s.	feux de salut.
24— — mountings.	les garnitures d'un canon.
24—gunner.	canonnier, m.
24—hail (to) a boat.	héler.
24—halliard (peak).	martinet, m.
25—haul (to) up.	remonter, carguer.
26—heave (to) short.	virer à pic.
26—helm a weather!	la barre au vent!
26—put the helm down!	la barre dessous!
27—hour-glass.	ampoulette, f.
27—house (to) a mast.	caler un mât.
28—impulse (for projection of	f
torpedo).	l'impulsion.
28—irons (fetters).	les fers, m. pl.
28— in — (ship).	faire chapelle.
28—jib (down jib!)	hâlez bas le grand foc!
28— ease off the jib sheets!	

	•4
PAGE	
31—light ship.	un bateau feu.
31— search light.	projecteur, m.
32—line abreast.	la ligne de file.
32— - ahead.	la ligne de front.
32— quarter —.	la ligne de relèvement.
32—luff a lee!	loffe toute!
32—lug sail (to dip a)	gambéyer.
33-mast-head (to be at the).	être en vigie.
33— — man.	l'homme de vigie.
35—moorings (at her —).	au mouillage.
35—mooring swivel.	un émerillon d'affourche.
35—no, no!	à bord! see p. 3, under aye, aye
36—off! (shove).	poussez!
36—paul (to) the capstan.	mettre les linguets au cabstan
37—paymaster.	commissaire, m.
37— assistant —.	aide-commissaire.
37—put (to) into D.	relâcher à D.
38—propeller.	propulseur, m.
39—ram (to).	aborder à l'éperon.
39— hydraulic —.	un piston hydraulique.
39—range (of weapons).	la portée.
39—recess.	encastrement, m.
39—rifle (magazine —).	fusil à répétition.
40—rocket.	fusée, f.
40—rope (tow).	remorque, f., faux-bras, m.
41—sail (to hoist a —)	hisser une voile.
42—screws (twin).	hélices jumelles, f.
43—search light.	projecteur, m. [der to veer.
44—shackle.	maillon, m., manille, f.: see un-
45—shield (for guns).	masque d'acier, m.
45—shove off!	poussez!
45—sound (to).	sonder.
45—soundings (to take the).	le sondage.
46—speed.	vitesse, f.

PAGE

46—speed. full — ahead! en avant, toute vitesse!

46— full — astern!

46—sponge (for gun).

47—stay (long).

47-steam (to reverse).

47— - steering gear.

48—steerage way.

48-stern walk (balcony).

48—stern way (to make).

49-stranded (to be).

49—swab (to) the deck.

50-tack.

50— to be on the port —.

50— tobeonthestarboard—.

50—tackle (purchase).

50—tender (to a vessel).

51—tide (it is high —).

51— it is low —.

51—tiller.

51 - ropes.

51—tops (military).

52-torpedo booms.

52--gun.

52— net.

52- - port.

52— warfare.

52 — to discharge a —.

52—towing hawser.

53—unship oars! [pass).

53-variation (of the com-

53-veer (to) 3 shackles.*

en arrière, toute vitesse!

écouvillon, m.

virer à long pic.

renverser la marche.

une barre à vapeur.

47- - trials (of an engine). faire les essais d'une machine.

l'erre, m.

la galerie de poupe.

aller en culant.

s'échouer.

fauberder le pont.

amure, f.

être babord amures.

être tribord amures.

palan, m., caliorne, f.

une navire annexe.

la mer est haute.

la mer est basse.

la barre.

drosse, f.

hunes (f.) de combat.

espars à torpilles.

un tube de lancement.

un filet à torpille.

un sabord de lancement.

le maniement des torpilles.

lancer une torpille.

remorque, f., faux bras, m.

désarmez vos avirons!

la déclinaison.

filer 3 maillons.

^{*} The English shackle is equal to 121/2 fathoms, and the French maillon to 30 mètres, or very nearly 161/2 English fathoms.

PAGE

53-water.

53- high -.

53- low -.

53- slack -.

55—wheel ropes.

56-windlass (steam).

56—yoke (of rudder).

eau, f.
la pleine mer.
la mer basse.
la mer étale.
drosse, f.
guindeau à vapeur.

la barre transversale.

NAUTICAL TERMS

IN ENGLISH AND IN FRENCH.

throw all -! heave all -1 sails -. abaft. able-bodied seaman. aboard. haul the tacks -! all —! about (to put). accommodation. -- ladder. accost, v. admiral. vice -. rear -. admiralty. adrift. to get — upon a lee shore. adze. afloat. aft. the wind is dead -.

the wind is right —.

aback (to be).

être masqué. masquez partout. " en panne. à l'arrière. gabier breveté. à bord. amurez! embarquez! louvoyer. aménagements, m. pl. échelle de commandement. accoster, aborder. amiral, m. vice-amiral. contre amiral. amirauté, f. In France: le ministère de la marine. en dérive. s'affaler à la côte. herminette, f. à flot, sur mer. arrière, m. le vent est entre deux écoutes. le vent est droit derrière.

haul aft jib!	hâlez le foc!
haul — the fore sheet!	hâlez l'écoute de misaine!
aground.	échoué, à terre.
to run —.	s'échouer.
ahead.	en avant.
go —!	en avant!
ahoy!	oh!
ship —!	ohé! du navire.
air.	air, m.
— shaft.	le puits d'aérage.
alee.	dessous.
helm's —.	la barre dessous.
almanac.	almanach, m.
nautical —.	la connaissance des temps.
— — office.	le bureau des longitudes.
all right! all's well!	c'est bien! bon quart!
aloft.	en haut, dans la mature.
aloft (on the look-out).	en vigie.
away —!	en haut les gabiers!
alongside.	bord à bord.
to come —.	accoster.
aloof.	au large.
altitude.	hauteur, f., élévation, f.
amidships.	par le travers.
helm —!	droite la barre!
anchor.	ancre, f.
the arms.	les bras.
the bill.	le bec.
the crown.	le diamant.
the flukes.	les pattes, f.
the ring.	la cigale.
the shank.	la verge.
the shoe.	la sole, la sabatte.
the stock or beam.	le jas.
bower anchor.	ancre de bossoir.

best bower anchor.	la seconde ancre.
kedge —.	ancre à jet.
sheet —.	ancre de veille.
stream —.	ancre de touée.
mooring block.	corps mort, m.
anchor (to).	ancrer, mouiller.
to cast —.	jeter l'ancre.
to cat the —.	caponner l'ancre.
to drag the —.	chasser sur les ancres.
to fish the —.	traverser l'ancre.
to heave up the —.	déraper l'ancre.
to ride at —.	être à l'ancre.
to weigh —.	lever l'ancre.
let go the —!	mouillez!
let go the starboard —!	mouillez tribord!
anchorage.	mouillage, m.
aneroid.	anéroide, m.
angle-iron.	cornière, f.
apron (timber).	contre-étrave, f.
armour.	blindage, m.
armourer.	armurier, m.
artillery.	artillerie, f.
heavy —.	grosse artillerie, f.
ashore.	à terre, sur terre.
astern.	de l'arrière, arrière.
to back —.	nager à culer.
— of us.	derrière nous.
go —!	en arrière!
athwart.	par le travers de, en travers de.
atrip (the anchor is).	dérapée (l'ancre est).
auxiliary screw (ship with).	un batiment mixte.
avast!	tenez bon!
awning.	tendelet, m., tente, f.
axe.	hache, f.
aye, aye! (answer to a call).	voila!

aye, aye! (answer to an order). bien capitaine!
— — (answer of coxswain). à bord!

back astern!

"

to back a sail.

back stays.

flying —.

backing and filling.

balcony.

bale sling.

bale out (to).

baler.

ballast.

to —.

to sail in -.

bar of the capstan.

- of iron.

barge.

— (admiral's).

bargeman.

barque.

barometer.*

the -- is rising.

the — is falling.

barrel (of a gun).

-- (cask).

basin (of a dock).

batten.

to — down the hatches.

beach.

to -.

nage à culer!

(on steamers) en arrière!

masquer une voile.

galhaubans, m. pl.

galhaubans volants.

dériver vent dessus vent dedans.

la galerie de poupe.

élingue (f.) en double.

vider.

escope, f.

lest, m.

lester.

aller sur lest.

une barre de cabestan.

barre de fer.

allège, f., gabare, f.

canot de l'amiral.

marinier, m., batelier, m.

un trois-mats.

baromètre.

le baromètre monte.

le baromètre descend.

canon, m.

baril, m.

bassin, m.

batte, f.

condamner les panneaux.

plage, f., grève, f.

échouer.

^{*} For comparison between English and French barometric scales, see Table V. at the end of the book.

	1 11 0
beacon.	balise, f.
beam (of deck).	bau, m.
breadth of —.	largeur, f.
on her — ends.	sur le côté.
Bear (the great).	la grande ourse.
to — away.	porter au large.
to — down.	arriver sur.
to — up.	laisser arriver.
bearing (to take the) of.	relever.
-s (engineering).	coussinets, m. pl.
— (the).	le relèvement.
beat to windward (to).	louvoyer.
to — out to sea.	gagner le large.
belay (to).	amarrer.
belaying cleat.	taquet, m.
— pin.	cabillot, m.
bell.	cloche, f.
below.	en bas.
bend.	nœud, m.
to - a rope.	frapper.
to — (sails).	enverguer.
to — (jibs).	garnir.
to — (a cable).	étalinguer.
bends.	les préceintes, f.
double —.	nœud d'écoute double.
	nœud d'étalingure de grelin.
	nœud de drisse de bonnette.
carrick —.	nœud d'ajut, nœud de vache.
berth (cot).	* *
	-
	-
double —. fisherman's —. single —. studding sail halliard —. carrick —. berth (cot). — (post). — (alongside a wharf). sick —. bight (of a rope). bilboes (punishment).	nœud d'étalingure de grelin. nœud d'écoute.

bilge water.	eau de la cale.
— pieces.	quilles latérales, f.
bill of health.	la patente de santé.
— of lading.	connaissement, m.
— board.	plan incliné de traversière.
billows.	vagues, f. pl.
binnacle.	habitacle, m.
bitts.	bittes, f. pl.
main —.	grandes bittes.
block (pulley).	moufle, m.
snatch —.	poulie coupée, f.
— maker.	poulieur, m.
blockade.	blocus, m.
to —.	bloquer.
— runner.	forceur de blocus.
blow (to).	souffler.
the wind —s from the west.	le vent souffle de l'ouest.
it is —ing hard.	il fait une tempête.
it is —ing fresh.	il fraichit.
blue peter.	le pavillon de partance.
bluff (cliff).	falaise, f.
board (on).	à bord.
the hands on —.	les hommes du bord.
to make a stern —.	culer.
on — my ship.	à mon bord.
to —.	aborder, monter à l'abordage.
	prendre à l'abordage.
board (to).	aborder (as an enemy).
boat.	canot, m., embarcation, f.
ferry —.	bateau de passage.
fishing —.	bateau pêcheur.
steam —.	bateau à vapeur, m.
sailing —.	bateau à voiles, m.
life —.	canot de sauvetage, m.
long —.	chaloupe, f.

jolly boat.
pleasure —.
open —.
— hook.
— ahoy!
boatman.
boatswain.
—'s mate.
bobstay.
body post.
boiler.
— plate.
— tubes.
bollard heads.
bolster.
bolt.
eye —.
ring —.
screw —.
starting —.
— rope.
— rope needle.
boom (of harbour).
— (of a sail).
- irons.
jib —.
flying jib —.
spanker —.
studding-sail —.
to ride by the swinging —.
bore (of gun).
— (on tidal river).
bottom (of ship).
in British —s.
in French —s.

petit canot, m. bateau d'agrément. canot non ponté. gaffe, f. ohé du canot! batelier, m. maître d'équipage, m. contre-maître, m. la sous barbe de beaupré. étambot avant, m. chaudière, f. tôle, f. bouilleurs, m. pl. têtes (f.) d'allonges. coussin (m.) d'élongis. cheville, f. cheville à œillet, f. cheville à boucle, f. boulon taraudé, m. repoussoir à manche, m. ralingue, f. aiguille à ralingue, f. chaine, f., estacade, f. bout dehors, m. blins, m. bout dehors de foc, m. bout dehors de clin foc, m. gui, m. bout dehors de bonnettes. être au tangon. calibre, m. mascaret, m., barre, f. carène, f. sous pavillon anglais. sous pavillon français.

to sink to the bottom. double ---. flat bottomed. copper -. bottomry. - bond. - interest. bound to, or for . . . (ship). outward -. homeward ---. where are you - to? bow. on the port —. to cross the --bowline. - on the bite. running --. - bridles. bowse (to). bowsprit. box the compass (to). boxhaul (to). boxing off. boy. brace. to ---. to - up. lee —. weather --. main --. fore —. main top sail -. fore top sail -. main top gallant -. fore top gallant -.

couler à fond. double coque, f. à fond plat. doublé en cuivre. bomerie. f. un contrat à la grosse. profit maritime, m. navire en partance pour. . . . en partance. en retour. où allez vous? l'avant, m., le bossoir. à, or par babord devant. courir à bord droit. bouline, f. nœud de chaise double. nœud d'anguille. branches de bouline. palanquer. beaupré, m. réciter la rose des vents. virer vent arrière, virer lof pour contrebasser devant. lof. mousse, m. bras, m. brasser. orienter au plus près. le bras de dessous le vent. le bras du vent. grands bras. bras de misaine. bras de grand hunier. bras de petit hunier. bras de grand perroquet. bras de petit perroquet.

	mizzen top sail brace.	bras de perroquet de fougue.
	cross jack —.	bras barré.
	mizzen top gallant —.	bras de la perruche.
	sprit sail —.	bras de la contrecivadière.
	top sail —.	bras de hune.
	top gallant —.	bras de perroquet.
b	rail.	cargue, f.
	to — up.	carguer.
tc	bream.	chauffer.
bı	reastwork (of a ship).	fronteau, m.
	— (of the poop).	fronteau de la dunette.
bı	reech (of a gun).	culasse, f. [la culasse.
	— loader.	canon, or fusil se chargeant par
bı	reeching.	brague, f.
bı	eeze.	brise, f.
	light —.	petite brise, f.
bı	idge.	pont, m.
	— (of steam-boat).	passerelle, f.
	swing —.	pont tournant, m.
bı	ridles (of the bowline).	branches, f. pl. (de boulines).
bı	rig.	brick, m.
bı	ine-pump.	pompe d'exhaustion, f.
to	bring to.	mettre en panne.
	she is brought to.	son erre est coupée.
tc	broach to.	lancer dans le vent, embarder
bı	coadside (of a ship).	côté, m. [au vent.
	to fire a —.	tirer une bordée
bı	roker.	courtier, m.
	ship —.	courtier maritime, m.
bı	rokerage.	courtage, m.
bı	ucket.	seau, m.
	uckler.	gatte, f.
	uilder (ship).	constructeur, m.
bı	ulk.	charge, f.
	laden in —.	en vrac.

calking.

to break bulk. commencer le déchargement. bulkhead. cloison, f. bull's-eye. cosse de bois, f. balle, f. bullet. bulwarks (of ships). pavois, m. bumboat. bateau à provisions. bumkin. minot, m. bunker. soute, f. coal soute au charbon. bunt. le sein d'une voile. buntlines. cargues-fonds. bouée, f. buoy. life -. bouée de sauvetage, f. - rope. orin, m. to --. baliser. buoyancy. légèreté, f. buoyant. flottant. burden (of a ship). contenance, f., port, m. ship 3000 tons -. vaisseau du port de 3000 tonguidon, m. burgee. pantoires de candelettes, f. burton pendants. chambre, f., cabine, f. cabin. - (captain's). chambre du commandant. cabine d'avant, f. fore -. cabine de première classe, f. . state ---. passager de première classe, f. - passenger. - boy. mousse, m. cable. cable, m. -'s length. encâblure, f. caboose. la cuisine. élève de marine, m. cadet. calk. calfater. calfat, m. calker.

calfatage, m.

[neaux.

calking iron. callipers. calm. dead -. can-hook. canister shot. cannon. - ball. cap. cape. capshore. capsize. capstan. to man the -. man -! to heave in at the -. captain (of a man-of-war). - (merchant navy). - (of the watch): - (of the gun). careen (to). careening-place. cargo. general -. carling. carpenter (of a ship). chief -. cartridge (of rifle). - (of gun). casting. cast loose (the ropes) (to). cat. to — (the anchor). - block. - head.

calfait, m. compas de calibre, m. calme, m. calme plat. une élingue à pattes, f., une mitraille, f. [patte à futailles. canon, m. boulet de canon, m. chouquet, m. cap, m. épontille, f., chouque, f. chavirer. cabestan, m. mettre du monde au cabestan. au cabestan! virer au cabestan. capitaine de vaisseau, m. capitaine au long cours, m. chef de quart, m. chef de pièce, m. abattre en carène. carénage, m. cargaison, f., chargement, m. un chargement en cueillette. traversin, m. charpentier, m. le maître charpentier. cartouche, f. gargousse, f. faire son abattée. larguer. capon, m. caponner l'ancre. poulie (f.) de capon. bossoir (m.) de capon.

cat-o'-nine-tails. garcette, f. -- 's-paw. gueule (f.) de raie. catch hold! attrapez! caulk. see calk. chain. chaîne, f. - plates. cadenes, f. - shot. boulets ramés, m. pl. porte-haubans, m. pl. - s. porte-haubans, m. pl. - wales. fore chains, &c. see under fore and main. challenge (a ship) (to). héler. channel. canal, m., détroit, m. - (of harbour). passe, f. -s (of rigging). porte-haubans, m. chapelling. faire chapelle. chaplain. un aumonier. chart. carte marine, f. charter (to). frêter. — (party). la charte partie. charterer. frêteur, m. a ship chartered by govern- un navire frêté par l'état. check-piece. ment. safran, m. checks. jottereaux, m. pl. chock (a). une cale. chopping sea. une mer clapoteuse. chronomètre, m. chronometer. to rate the -s. régler les chronomètres. circle. cercle, m. clear. dégagé. to dégager. to - a vessel. passer un vaisseau. to - up (of the weather). s'éclaircir. cleat. taquet, m. clew. point, m. cargue-fonds, m. - garnets.

to clew up.	carguer.
— line.	cargue-poi
cliff.	falaise, f.
clinch.	cable, m.,
inside —.	nœud de l
outside —.	nœud de l
clipper.	fin voilier
close-reefed.	au bas ris
— in shore.	près de ter
— hauled.	au plus p
cloud.	nuage, m
cloudless.	sans nuag
cloudy.	nuageux,
it is —.	le temps e.
it is getting —.	le temps s
coal.	charbon d
to —.	faire son
— dépôt.	dépôt de c
bunkers.	la soute a
coamings.	hiloire, f.
coast.	côte, <i>f.</i> , 1
the — is clear.	la côte est
to —.	côtoyer.
coaster.	caboteur,
coasting.	navigatio
trade.	cabotage,
cock-bill (to) the anchor.	faire pen
cockpit.	le poste d
cockswain.	patron de
coil (of rope).	glène, f.
to —.	lover.
collier (ship).	charbonn
colours.	le pavillo
hoist the —!	hissez le p
strike the —!	amenez le

int, m. , étalingure, f. bouline double. bouline simple. r, m., clipper, m. s; à la cape. rre. rès. ges. sombre. est convert. se couvre. de terre, m.; houille, f. charbon. charbon. u charbon. , surbaux, m. pl. littoral, m. [danger. belle, or il n'y a pas de , m. on (f.) côtière. m. eau. de malades. e chaloupe. nier, m. on national. pavillon! amenez le pavillon!

column.

the leading —.
the starboard wing —.
the port wing —.

the leader of a —.

commander.

commission (ship in).

commodore.

compass.

North.

N. b. E.

N.N.E.

N.E. b. N.

N.E.

N.E. b. E.

E.N.E.

E. b. N.

EAST.

E. b. S.

E.S.E.

S.E. b. E.

S.E.

S.E. b. S.

S.S.E.

S. b. E.

South.

S. b. W.

S.S.W.

S.W. b. S.

S.W.

S.W. b. W.

W.S.W.

W. b. S.

colonne, f.

la colonne de tête.

la colonne de droite.

la colonne de gauche.

le vaisseau de tête, or chef de file.

capitaine de frégate.

vaisseau (m.) en armement.

chef d'escadre.

[mer.

boussole, f., compas (m.) de

Nord.

N. ¼ N.E.

N.N.E.

N.E. 1/4 N.

N.E.

N.E. 1/4 E.

E.N.E.

E. 1/4 N.E.

EsT.

E. 1/4 S.E.

E.S.E.

S.E. 1/4 E.

S.E.

S.E. 1/4 S.

S.S.E.

S. 1/4 S.E.

SUD.

S. 1/4 S.O.

S.S.O.

S.O. 1/4 S.

S.O.

S.O. 1/4 O.

O.S.O.

O. 1/4 S.O.

West.	OUEST.
W. b. N.	O. ¼ N.O.
W.N.W.	O.N.O.
N.W. b. W.	N.O. ¼ O.
N.W.	N.O.
N.W. b. N.	N.O. ¼ N.
N.N.W.	N.N.O.
N. b. W.	N. ¼ N.O.
N.B.—On the French compa	ass, ¼ is pronounced quart, some-
what like car in carmine.	, ,4 10 protection 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
compass.	
azimuth —.	compas de variations.
a point of the —.	une aire de vent.
standard —.	le compas étalon.
steering —.	le compas de route.
— course.	la route au compas.
- error.	correction du compas.
a pair of — es.	un compas, m.
compressor.	étrangloir, m. [m.
condenser.	condenseur, m., condensateur,
condensing engine.	une machine à condensation.
"	machine à basse pression.
conning.	faire gouverner.
consignee.	consignataire, m.
consul.	consul, m.
consulate.	consulat, m.
convoy.	convoi, m.
cook.	coq, m.
copper.	cuivre, m.
— bottomed.	doublé en cuivre.
cot.	cadre, m.
counter.	voûte, f.
course (of a ship).	la route.

la misaine.

fore -.

la grand'voile.

main course. courses. coxswain. cradle. craft. crane. steam crank. - (a ship that is). creek. crew. gun's -. cringle. cross-sails. - trees. crossing (by sea). crow-bar. crow's-foot. crowd all sail (to). cruise (to). cruise. crutches. current. custom-house. — officer. to pass the customs. - duty. cutter. Ist -. 2nd cutwater.

les basses voiles. un patron de chaloupe. ber, m. embarcation, f. grue, f. grue à vapeur. manivelle, f. vaisseau portant mal la toile. anse, f., crique, f. équipage, m. servants, m. pl. patte, f. see sails. barres traversières, f. pl. traversée, f. pince, f. une araignée de tente. forcé de voiles. aller en croisière, croiser. croisière, f., campagne, f. dames, f. courant, m. douane, f. douanier, m. passer en douane. droit de douane. côtre, m. canot numéro I. canot numéro 2. taille-mer, m. cylindre, m.

davits.

cylinder.

les bossoirs d'embarcation, les porte-manteaux, *or* les pistolets d'embarcation.

day's work (of a ship). dead calm. - eye. - block. - lights. - reckoning. - water. - works. deck. between --- s. flush -. gun —. main -. lorver middle -.. upper -. orlop deck. $poop \rightarrow$. quarter --. spar -. to clear the -s. to ---. truo -er. three -er. deep sea lead. deflection (of needle). demurrage. departure. depth. - of hold. derelict.

derrick.

dip (of needle).

dingy.

24 heures, or le point. un calme plat. cap (m.) de mouton. poulie (f.) à moque. faux mantelets, m. pl., faux la route estimée. [sabords, m. pl. le remous du sillage, m. œuvres mortes, f. pl. pont. m. entre-pont, m. pont entier, m. batterie, f. premier pont, m. premier pont, m. second pont, m. troisième pont, m. faux pont, m. dunette, f. le gaillard d'arrière. pont sur montants. faire branle-bas. ponter. navire à deux ponts. navire à trois ponts. la grande sonde. déclinaison, f. surestaries, f. pl. le chemin est ou ouest. profondeur, f. creux, m., or creux sur payol. épave, f. un mât de rechange. youyou, m. l'inclinaison, f. C

la route du vaisseau dans les

dipping-needle.	une aiguille d'inclinaison.
disembark (to).	débarquer.
disembarkment.	débarquement, m.
distress (in).	en détresse.
to hoist a flag of —.	mettre son pavillon en berne.
signal of —.	signal de détresse.
dive (to).	plonger.
diver.	plongeur, m.
diving-bell.	une cloche à plongeur.
dividers.	compas (m.) à pointes sèches.
dock.	bassin, m.
dry —.	bassin à sec.
floating —.	bassin à flot.
— dues.	les droits de bassin.
to —.	faire passer au bassin.
dockyard.	un arsenal de la marine, chan
dog vane.	penon, m. [tier, m
dog watch.	petits quarts, m. pl.
dolphin striker.	un arc-boutant de martingale.
donkey-engine.	petit-cheval, m.
double (a cape) (to).	doubler.
downhaul.	hâle-bas, m.
draft (of water).	tirant d'eau, m.
drag.	drague, f.
draught.	see draft.
dress (to) ship.	pavoiser.
drift (to).	dériver.
drift.	dérive, f.
drive (to).	dériver.
driven ashore.	jeté à la côte.
driver (sail).	flèche-en-cul, f.
drizzle (to).	brouillasser.
drizzling rain.	pluie fine, f.
drop down with the tide (to).	
duck (canvass).	toile (f.) à voiles.

dunnage.	fardage, m.
dusk.	la brune.
duty.	le service.
to be on —.	être de service.
to be off —.	ne pas être de ser
the officer on —.	l'officier de servie
duties (custom).	droits, m. pl.
ease (a cable) (to).	filer (un cable).
ease off!	larguer!
— her!	doucement!
east.	est; pronounce
the —.	l'orient, m., l'est
— wind.	le vent d'est.
— ward.	à l'est.
ebb.	reflux, m.
— tide.	jusant, m.
eccentric (of engine).	l'excentrique, f.
eddy.	remous, m.
edge away (to).	s'éloigner.
embargo.	embargo, m.
embark (to).	embarquer.
— (of one's-self).	s'embarquer.
embarkation.	embarquement,
engine.	machine, f.
— room.	la chambre des n
fire —.	une pompe à ince
high-pressure —.	une machine à h
low-pressure —.	machine à basse
triple-expansion	machine à triple
quadruple-expansion	machine à quadr
100 horse —.	machine de cent
engineer.	mécanicien, m.
ensign.	le pavillon de p
evolutions.	évolutions, f., m
fleet —.	manœuvres d'esc
eye.	œil, m.

rdage, m. brune. service. re de service. pas être de service. officier de service. roits, m. pl.

rguer! nucement! t; pronounce the t. orient, m., l'est, m. vent d'est. l'est. flux, m. sant, m. excentrique, f. mous, m. éloigner. nbargo, m. nbarquer. embarquer. mbarquement, m. achine, f. chambre des machines. ne pompe à incendie. ne machine à haute pression. achine à basse pression. achine à triple expansion. achine à quadruple expansion. achine de cent chevaux. écanicien, m. pavillon de poupe. volutions, f., manœuvres, f. pl. anœuvres d'escadre. eil, m.

œil à la flamande. flemish eye. evelet hole. un œil de pie. fair (weather). beau temps. - wind. bon vent. brasse,* f. fathom. to feather the oar. mettre la rame à plat. feathering paddle. une aube articulée. fender (of boat). défense, f. ferry-boat. bac, m. to - over. passer. passeur, m. --man. fid (of mast). clé, f. - (splicing). épissoir, m. to -. mettre en clé. fiddle block. une poulie en violon. fife rail. râtelier, m. fire. feu, m. allumer les feux. to light the -s. to bank the -.. conserver les feux allumés. une prise d'eau. - plug. to - (a gun). tirer un coup de canon. fire! feu! fish davit. le bossoir de traversière. traversière, f. - tackle. to — (the anchor). traverser l'ancre. fisherman. pêcheur, m. fishing. la pêche. bateau pêcheur. — boat. pavillon, m. flag. - ship. vaisseau amiral, m. le pavillon parlementaire, le . — of truce. drapeau blanc. — (half-mast high). le pavillon en berne, or à mi-mât. to strike the -. amener le pavillon. — of truce (the bearer of a). un parlementaire, m.

^{*} The French 'brasse' is equal to 1.624 metre, or very nearly 5 ft. 4 inches. An English 'fathom' is equal to 1.829 metre=6 feet..

flag-staff. fleet. float (to). a --flood. - tide. flotsam. flow (to). . fly-boat. foam. foamy. F. O. B. (free on board). focus. to focus. focussing. fog. - horn. - signal. it is foggy. foot. - rope. force-pump. fore. - braces. - cabin. - course. - chains. - and main top sails. - mast. -- royal. - royal mast. - sail. - stay. - sky-sail.

- spencer.

le mât de pavillon. flotte, f. surnager. flotteur, m. marée, f. marée, f., flot, m. le jet de la mer. couler. flibot, m. écume, f. écumeu-x, -se. sous vergues. foyer, m. mettre au point. la mise au point. à bouquin. brume, f. une trompe de brume, un cornet un signal de brume. il y a de la brume. pied, m. (see Table III.). marchepied, m. une pompe foulante. la misaine. bras de misaine. la chambre d'avant. misaine, f. porte haubans de misaine. huniers, m. pl. mât (m.) de misaine. petit cacatois. petit mât de cacatois. misaine, f. un étai de misaine. petit cacatois volant. misaine goëlette.

fore stay-sail. - tackle. - top. - top-sail. - top-mast. - top-mast stay-sail. - top-gallant mast. - top-gallant sail. - vard. - and aft. forecastle. forecastle. foreland. fore-tackle. fork and lashing eyes. forward. foul. to - (of the anchor). to - (hawse). frame (of ship). freight. - (price). to ---. freighter. frigate. frost. fuel. funnel (of steamer). furl (to) a sail. furnace. futtock shrouds.

gaff.

at the end of the —.

spanker —.

la trinquette. le gréement de l'avant. hune de misaine. petit hunier. petit mât de hune. petit foc. mât de petit perroquet. petit perroquet. verque de misaine. de l'avant à l'arrière. le poste de l'équipage. le gaillard d'avant. promontoire, m. la candelette. fourche de collier d'étai. à l'avant. engagé. surjaler, engager une ancre. avoir des tours de chaîne. membrure, f. cargaison, f. frêt, m. frêter. affréteur, m. frégate, f. la gelée. combustible, m. cheminée, f., tuyau, m. serrer une voile. fourneau, m. gambes (f.) de revers.

pic, m.
au pic.
la corne.

	· ·
gaff sail.	voile à corne.
— halliards.	drisses du pic.
— top-sail.	flèche d'artimon, f.
gale.	tempête, f.
galleys.	cuisine, f.
gammonings of the bowsprit.	liures (f.) de beaupré.
gangway.	passavant, m.
— port.	la portière.
gantline.	cartahu, m.
garboard strake.	gabord, m.
garnet.	bredindin, m.
clew —.	un cargue-point. [ferlage.
gasket.	jarretière, f.; un raban de
gauge.	jauge, m.
— (draft of water).	le tirant d'eau.
steam —.	manomètre, m.
gear.	drisse, f.; gréement, m.
to throw out of —.	arrêter.
gig.	yole, f.; youyou, m.
gin-block.	chape, f.
girt-line.	cartalin, m.
glass (spy).	télescope, m.
weather —.	baromètre, m.
hour —.	sablier, m.
go about (to).	virer de bord vent devant.
— ahead!	en avant!
— astern!	en arrière!
going free.	courant largue.
let her go off!	laissez arriver!
to go into dock.	se radouber.
to — (down a river).	descendre, aller en aval.
to — (up a river).	monter, aller en amont.
goods.	marchandises, f. pl.
goose neck.	potence, f.
grapnel.	grappin, m.

grappling-chains. gratings. graving dock. gripe. grommet. guard ship. guesswarp. gun (cannon). -- boat. - (rifle). rifled -. - barrel. - carriage. - cotton. - deck. - port. -- room. ____ - officers. - shot (distance). — tackle purchase. morning -. evening -. gunpowder. gunsmith. gunwale. guy.

— rope. — tackle. gybe (to).

hail.
— (within).
halliard.
hammer.

grappins, m. pl. caillebotis, m. bassin (m.) de radoub. brion, m. estrope (f.) à ersiau. vaisseau amiral. faux bras élongé en créance. canon, m. canonnière, f. fusil. m. canon ravé. canon de fusil. affût, m. fulmi-coton, m. batterie, f. sabord, m. fausse sainte barbe, f. le poste des aspirants. sous officiers. à portée de fusil, de canon. itague, f. le coup de canon de diane. le coup de canon de retraite. la poudre à canon. armurier, m. plat-bord, m. hauban de bout dehors. maroquin, m. palan (m.) de suspente. gambéyer.

la grêle.

à portée de voix.

drisse, f.

marteau, m.

handsomely!	en douceur!
handspike.	anspect, m.
hands (the) on board.	les hommes.
all — ahoy!	tout le monde sur le pont
hank.	rocambeau, m.
harbour.	port, m.
— dues.	droits de mouillage.
— master.	capitaine de port.
— of refuge.	port de refuge.
tidal —.	port de marée.
hatches.	écoutilles, f. pl.
hatchway.	écoutille, f.
haul (to).	hâler.
- aft!	bordez!
— down! (sails).	amenez!
— in!	hâlez à bord!
— out! — up!	hissez!
— taut!	raidissez! embraquez!
hauling to the wind.	serrer le vent.
haulyard.	drisse, f.
haven.	havre, m,; port, m.
hawse hole.	écubier, m.
— plug.	tampon, m.
hawser.	haussière, f.
— (small).	faux bras, m. pl.
towing —.	remorque, f.
— bend.	nœud de plein poing, m.
haze.	brume, f.
head (of a ship).	l'avant, m.; le cap.
mast —.	see under mast.
figure —.	guibre, m.; éperon, m.
— wind.	vent debout.
headland.	pointe, f.
health (bill of).	patente de santé, f.
— (board of)	le bureau de la santé.

heart.	moque, f.
heave (to).	jeter, lever.
away.	virer.
— down.	virer en carène.
— in at the capstan.	virer au cabestan.
— to.	mettre en panne.
heave up the anchor!	dérapez!
heavily laden.	pesamment chargé.
heel (of a mast).	pied, m.
— rope.	braguet, m.
helm.	gouvernail, m.
the ship answers her —.	le navire gouverne bien.
the man at the —.	l'homme de barre.
— port.	le trou de jaumière.
mind the —1	attention à la barre!
put the — up!	arrive un peu!
helmsman.	timonnier, m.
high water.	marée haute, f.
— — mark.	le niveau des hautes eaux.
hitch.	nœud, m.
blackwall —.	nœud de bec d'oiseau.
double — —.	nœud de bec d'oiseau double.
bowline —.	nœud de chaise.
cat's-paw —.	gueule de raie.
clove	demi-clefs à capeler.
half—.	demi-clef, f.
— — and timber hitch.	demi-clef et barbouquet.
— — and seizing.	ajut avec demi-clef et amarrage.
marling —.	transfilage avec demi-clef.
marling-spike —.	nœud de griffe, patte (f.) de chat,
0.1	nœud de trésillon.
rolling —.	laguis, m., nœud de bosse, m.
timber —.	nœud de bois.
hitch (to).	nouer, amarrer.
H.M.S.	Vaisseau de sa Majesté.
	at the state of th

hogged.	arqué.
hogging.	passer le goret.
hogshead.	barrique, f.
hoist (of a sail).	guindant, m. (de voile).
to —.	hisser.
— (with a winch).	guinder.
— in (to).	embarquer.
— out (to).	débarquer.
— taut up!	étarquez!
— away!	hissez!
hoisting.	guindage, m.
hold.	cale, f.
depth of —.	le creux sur payol.
hold on!	tenez bon!
homeward bound.	sur son retour.
hook.	croc, m.
— (boat).	gaffe, f.
fish —.	hameçon, m.
horse-power.*	cheval vapeur, m.
hose (fire).	une manche à eau.
houseline.	merlin, m.
housing a mast.	caler un mât.
hove to.	en panne.
hulk.	ponton, m.
hull.	coque, f.; carène, f.
hurricane.	ouragan, m.
husband (ship's).	gérant, m.
ice.	glace, f.
	0 ,0

^{*} The English horse-power is equivalent to the work done by continuous exertion, at the rate of 33,000 lbs. raised through one foot in one minute. Cheval vapeur is now equivalent to 100 kilogrammètres. The kilogrammètre is equal to the work done by the continuous exertion necessary to raise one kilogramme, one mètre, in one second. The English horse-power is equal to seventy-six kilogrammètres.

ice-field. - berg. import duty. - commerce. inch. Indiaman (East). inlet. insurance. Lloyd's -. invoice. iron. galvanized -. hoop -. cast -. pig -. sheet -. wrought -. - clad. - wire. island. isthmus. jacket (of engine). iib. flying -. flying - guys. standing —. - boom. flying - boom. - stay. jigger. jury-mast. kedge.

kedging.

un banc de glace. banquise, f. le droit d'entrée. commerce (m.) d'importation. pouce (see Table III.). navire des Indes. un bras de mer. assurance, f. assurance maritime, f. facture, f. fer, m. fer galvanisé, m. du feuillard. de la fonte. gueuse, f. de la tôle, f. du fer forgé. cuirassé, blindé. du fil de fer, m. île, f. isthme, m.

chemise, f.
foc, m.
clin foc, m.
martingale, f.
grand foc, m.
bout dehors de foc.
bout dehors de clin foc.
draille, f.
tapecul, m.
mât de fortune.

ancre à jet. se touer.

keel. quille, f. false -. fausse quille. keelson. carlingue, f. keep her away! laissez arriver! laissez porter. kentledge. gueuse, f. knees. courbes, f. pl. knight heads. les apôtres. knot. nœud,* m. to run 12 knots an hour. filer 12 nouds à l'heure. how many knots do we run? combien filons-nous? to tie a -. faire un nœud. running bowline -. nœud d'anguille. slip -. nœud coulant. sheet nœud d'écoute. fisherman's bend -. nœud de grappin. shroud -. nœud de hauban. buoy-rope -. nœud d'orin. reef -. nœud plat. figure of 8 -. nœud d'arrêt. half-crown -. amarrage en étrive. horse-shoe ---. nœud de griffe. Matthew Walker -. nœud de ride. standing Turk's head -. bonnet turc. stopper -.. cul de porc double. selvagee strop -. erse en bitord.

cul de porc simple.

nœud d'agui. une gueule de raie.

wall -

true hornlines -

cat's-paw -..

^{*} The French nautical mile, or knot, like the English nautical mile, or knot, is the length of a minute of latitude. Though it is different for every latitude, it is considered to be equal to 1852 metres, that is, 6076'40 feet. As the Admiralty knot is equal to 6080 feet, the difference between the French and the English nautical miles is then equal to 3'60 feet, a difference which it is hardly necessary to take into consideration except for very long distances.

ladder.	échelle, f.
lading (bill of).	connaissement, m.
lamp-oil.	huile (f.) à brûler.
land.	terre, f. [terre (of goods).
to —.	débarquer (passengers), mettre à
landing.	débarquement, m.
— place or stage.	débarcadère, m.
laniard or lanyard.	aiguillette, f., ride, f.
lantern.	lanterne, f.
— (of lighthouse).	fanal, m.
larboard (see port).	babord, m.
latch.	linguet, m.
latitude.	latitude, f.
to launch.	mettre à l'eau, lancer.
$a \longrightarrow$.	chaloupe, f.
lay days.	jours de planche.
to lay up.	désarmer, désemparer.
lead.	plomb, m.
the — (for sounding).	sonde, f.
red —.	minium, m.
white —.	du blanc de céruse.
to heave the —.	jeter la sonde.
deep-sea —.	grande sonde.
leading seaman.	gabier, m.
leadsman.	le sondeur.
to leak.	faire eau.
to spring a —.	faire une voie d'eau.
leakage.	voie d'eau, f.
lee (on the).	sous le vent.
— side.	côté sous le vent.
brought by the —.	empanné.
— shore.	terre sous le vent.
— tide.	marée portant sous le vent.
— way.	dérive, f.
leech (of a sail).	chute, f.
	, ,

leech line.	cargue bouline, f.
leeward (to).	sous le vent.
keep to — of —.	arrivez pour —.
lens.	lentille, f.
let go!	larguez!
letter of mark.	lettre de marque.
lieutenant (first).	lieutenant de vaisseau.
sub —.	un enseigne.
life belt.	ceinture (f.) de sauvetage.
— boat.	un canot de sauvetage.
— buoy.	bouée (f.) de sauvetage.
lifts.	balancines, f. pl.
light house.	phare, m., feu, m.
— ship.	phare flottant, m.
floating —.	un feu flottant.
— house keeper.	gardien de phare.
first order —.	un feu de premier ordre.
fixed —.	un feu fixe.
revolving —.	un feu tournant.
occulting*	feu à éclipses.
flashing —.	feu à éclats.
à flash every minute.	un éclat de minute en minute.
electric —.	lumière électrique.
to burn a — (signal).	brûler une amorce.
twinkling —.	feu scintillant.
flare-up —.	feu à éclats.
mast head —.	feu de tête de mât.
port bow —.	feu de babord.
starboard bow —.	feu de tribord.
signal—s.	feux de signaux.
a red —.	un feu rouge.
a green —.	un feu vert.

^{*} Always known by that name in the merchant service. The same as intermittent light.

un feu blanc. a white light. un feu par le bossoir de babord! a - on the port bow! a - ahead! un feu devant! lighter. allège, f. limbers. anguilliers, m. pl. - (ooards). paracloses, pl. line. corde, f., amarre, f. loading. chargement, m. loadstone. aimant, m. log (to measure speed). loch, m. to heave the -.. jeter le loch. - book. journal de bord, m. longitude. longitude, f. long stay. virer à long pic. loof. lof, m.look-out (the). vigie, f. to be on the -... être en vigie. to keep a good -. veiller - bien, faire bon quart, avoir l'ail au bossoir. look out! veille! low water. la marée basse. le niveau des basses eaux. - mark. lower mast. bas-mât, m. - yard. basse vergue, f. to — a boat. mettre une embarcation à la mer. to ---. baisser. - areay. amener. lubber's point. ligne de foi. to luff. loffer. luffer boards. auvents articulés, m. pl. une voile à bourcet. lug-sail. dipping —. voile à bourcet gambéyant. standing -. voile à bourcet fixe. lugger. lougre, m.; chasse-marée, m. lull. accalmie, f.

lump (in a dockyard). lying to.

magnet. mail steamer. main chains.

- -- course.
- mast.
- royal.
- sail.
- sheet.
- stay-sail.
- -- top.
- top-sail.
- top-mast.
- top-gallant mast.
- top-gallant sail.
- yard.

making a stemboard. manger. man-of-war.

map.

— of the world. marine (a soldier).

to man (the yards).

royal — light infantry. royal — artillery.

mariner's compass.

marline spike.

— hitch.

mast.

at head of the -.

- head rigging.
- head rope.

three —cd.

une chaloupe de port. être à la cape.

aimant, m.

paquebot-poste, m. [m. pl.

porte haubans de grand mât,

grand'voile, f.

grand mât, m.

grand cacatois, m.

grand'voile, f.

grand'écoute, f.

pouilleuse, f.

grand'hune, f.

grand hunier, m.

grand mât de hune, m.

mât de grand perroquet, m.

grand perroquet, m. grand'vergue, f.

culer.

écubier de pont, m.

bâtiment de guerre, m.

monter les vergues.

carte, f.

mappemonde, f.

soldat de marine.

l'infanterie de marine.

l'artillerie de marine.

la boussole.

épissoir, m.

nœud de trésillon, m.

mât, m.

aux barres de cacatois, f. pl.

capelage, m.

guinderesse, f.

à trois mâts.

a three master. masting. master mariner. mean time, G.M.T. Mercator's charts. merchantman. merchant vessel. ante-meridiem, A.M. post -- (P.M.).

midshipman. midships. milky way. mine.

submarine -. miss (to) stays. mizen.

- mast
- chains.
- mast-cap.
- royal.
- royal-mast.
- top.
- lug.
- top-mast.
- top-sail.
- tap-gallant mast.
- top-gallant sail.

monsoon.

moon.

age of the -.

new -.

first quarter.

full —.

last quarter. moored (to be).

un trois mâts, m. mâter. capitaine au long cours. temps moyen, m., T.M. cartes réduites, f. navire marchand, m. batiment (m.) de commerce. avant-midi, M. après-midi (soir), S. aspirant de marine, m. par le travers. la voie lactée. mine, f. mine sous-marine, f. manquer à virer. misaine, f. mât d'artimon. porte hauban d'artimon. chouquet (m.) d'artimon. cacatois de perruche. mât de cacatois de perruche. la hune d'artimon. tapecul, m. mât de perroquet de fougue. perroquet de fougue. mât de perruche. perruche, f. mousson, f. la lune. l'âge de la lune. la nouvelle lune. le premier quartier. la pleine lune. le dernier quartier.

être affourché.

mooring. amarrage, m. corps mort, m. -s. - buoy. coffre, m. - ring. organeau, m. vadrouille, f. mop. mouse a hook (to). moucheter un croc. muzzle (of a gun). la bouche (d'un canon). nautical almanac. la connaissance des temps, les éphémérides maritimes. naval school. école de marine, f. un élève de l'école navale. - cadet. marine, f. navy. royal -. la marine militaire. merchant -. la marine marchande. the English -. la marine anglaise. la marine française. the French -. neap-tide. marée de morte eau, f., marée needle (compass). la boussole. [de quadrature. net. filet, m. netting (of a ship). bastingage, m. - needle. navette, f. moule, m. - pin. pas plus près. no higher. midi, m. noon. north. nord, m. n'arrivez pas! nothing off! étoupe, f. oakum. aviron, m., rame, f. oar. aviron de l'avant. bow -. aviron de l'arrière. stroke -. lève rames! -s/ rester sur les avirons. to lie on the -s. sciez! nage a culer! back the -s!

bend to your oars! ship your -s! unship your -s! off! lying -. to get -. officer. naval -. offing (in the). orlop deck. outhaul. -rigger. overhaul (to). — (a sail). packet boat. steam ---. paddle (of canoe). - of steamer. --box.- steamer. - wheel. feathering ---painter. parallel motion. parbuckle. parcel a rope (to). parrel. partners. pass a stopper (to). passage. - money.

passenger.

paul. *to* —.

nagez de long!
armez!
désarmez!
au large!
à la hauteur de.
gagner le large.
officier, m.
officier de marine.
au large.
faux pont, m.
drisse, f.
boute lof, m.
visiter.
affaler.

paquebot, m. paquebot à vapeur, m. pagaie, f. aube, f. tambour, m. un vapeur à aubes. roue (f.) à aubes. roue à aubes articulées. bosse, f. le parallélogramme de Watt. trévire, f. limander. racage, m. les étambrais, m. fouetter une bosse. traversée, f. le prix de la traversée. passag-er, -ère. linguet, m. mettre les linguets à.

pay the ship's head off (to).	faire retomber l'avant du navire.
paymaster.	officier payeur.
pay.	la solde.
full —.	la solde entière.
half —.	la demi-solde.
peak.	pic, m.
to —.	apiquer.
— halliards.	drisses (f. pl.) du pic.
pendant (flag).	flamme, f.
broad —.	guidon, m.
pendulum.	pendule, m., balancier, m.
pennant.	pantoire, f.
periodic time.	révolution sidérale, f.
pier.	jetée, f.
— dues.	le droit de jetée.
pilot.	pilote, m.
— boat.	bateau-pilote.
pilotage fee.	frais de pilotage.
pinnace.	le grand canot.
pintle.	aiguillot, m.
pitch.	poix, f., brai, m.
pitching (of a ship).	tangage, m.
point (of the compass).	une aire de vent.
— a rope (to).	faire une queue de rat.
pole.	pole, m.
— star.	étoile polaire, f.
poop.	dunette, f.
port (harbour).	port, m.
— hole.	sabord, m.
— (side of ship).*	babord, m.

^{*} In the French navy the words babord and tribord, 'port' and 'starboard,' have reference to the head of the ship, and not to the helm. Thus the command babord! 'port!' does not mean that the helm is to be put over to port, but that the head of the ship is to go to port. When the order refers specially to the tiller, the French officer com-

port! on the - bow. on the - tack. hard a -! haul up the -s (to). lower the -s (to). powder. - magazine. pressure gauge. high ---. low -. privateer. prow. to pull (with an oar). - port! - starboard! to - stroke. pump. main -s. - well. to work a -. pumping engine. to put about (a ship). - back. to put into port. - in for.

quadrant.
quarantine.
to perform —.
quarter-master.

bahord! par babord devant. babord amures. babord tout! ouvrir les sabords. fermer les sabords. poudre, f. la soute aux poudres. manomètre, m. à haute pression. à basse pression. un corsaire. proue, f. nager. nage babord! nage tribord! donner la nage. pompe, f. pompes royales, f. l'archipompe. manœuvrer une pompe. une machine d'épuisement. virer. relacher. relâcher. faire route pour.

un quart de cercle. la quarantaine. faire la quarantaine. gabier, quartier-maître.

mands, babord la barre! tribord la barre! In English, the order always refers to the tiller supposed to be used, and the kind of steering-gear employed makes no difference.

quarter-deck.	le gaillard d'arrière.
quay.	quai (pronounced kay), m.
	A11
rabbet.	râblure, f.
race (tide).	raz (m.) de marée.
raft.	radeau, m.
rail (of a ship).	lisse, f.
rain.	pluie, f.
drizzling —.	bruine, f.
heavy —.	grosse pluie.
— awning.	taud, m.
— gauge.	pluviomètre, m.
rainy.	pluvieu-x, -se.
ram (of a ship).	éperon, m.
ramrod (of rifle).	baguette, f.
— (of cannon).	refouloir, m.
ratlines.	enflêchures, f. pl.
ready about!	pare à virer!
reckoning.	estime, f.
dead —.	la route estimée.
red.	rouge.
reef (rock).	récif, m.
reef.	ris, m .
to take a —.	prendre un ris.
to shake out a —.	larguer un ris.
close reefed.	au bas ris.
- bands.	bandes de ris.
- knot.	nœud plat.
— tackle.	palanquin, m.
to reeve.	passer.
to refit.	se radouber.
revenue cutter.	patache, f.
ribs.	membres, m. pl.
rifle.	fusil, m ., carabine, f .
rig.	gréement, m.
**5*	8-00-00-00-00-00-00-00-00-00-00-00-00-00

to rig.	gréer.
rigged (the sails).	voilé.
square ship.	un carré.
barque —.	gréé en barque.
de Horsey —.	gréé à la de Horsey.
rigging.	gréement, m., capelage, m.
standing —.	manœuvres dormantes, f.
running —.	manœuvres courantes, f.
lower —.	capelage de bas mât.
topmast —.	capelage de hune.
— of masts (the).	le capelage des mâts.
ring (of anchor).	cigale, f.
— (of moorings).	organeau, m.
rhumb.	rhumb, m.
river.	rivière, f.
up the —.	en amont.
down the —.	en aval.
in the —.	en rivière.
R. N.	de la marine royale.
roadstead.	rade, f.
roband.	une garcette d'envergure.
to roll (like a ship).	avoir du roulis.
rolling tackle.	un palan de roulis.
rope.	cordage, m., manœuvre, f.,
— (I to 2 inches).	quarantenier, m. [corde, f.
bolt —.	ralingue, f.
foot — (yards).	marche-pied, m.
leech —.	une ralingue de chute.
— band.	un raban de tétière.
— maker.	cordier, m.
— yarn.	fil de caret, m.
tow —.	amarre, f.
hawser laid —.	une aussière en trois.
shroud laid —.	une aussière en quatre.
cable laid —.	grelin, m.

rose lashing.
royal yard.
to row.
rowlock.
row-port.
rudder.

— case.

rule of the road (the).
to run (between two places).

to — aground (purposely).

to run ashore.

saddle. safety valve. sail.

to -.

— (on a particular course).

to bend a -.

to unbend a -.

to carry plenty of —.

to shorten -.

to make more -.

gybing a —.

to loose —.

to lower a -.

to get under -.

to set —.

to set a —.

to take a —.

to trim the —s.

to take in a —.

to reef a -.

- cloth.

- loft.

- maker.

aiguilletage, m.

la vergue de cacatois.

ramer.

tolletière, f.

un sabord d'aviron.

gouvernail, m.

le trou de jaumière.

la règle pour gouverner.

faire le service de — à....

échouer. S'échouer.

racage, m.

la soupape de sureté.

voile, f.

faire voile, naviguer.

- cingler.

enverguer une voile.

déverguer une voile.

porter de la toile. diminuer de voiles.

forcer de toile.

coiffer une voile.

larguer les voiles.

amener une voile.

appareiller.

mettre à la voile.

établir une voile.

rentrer une voile.

orienter les voiles.

serrer une voile.

prendre un ris.

de la toile à voile.

la voilerie.

voilier.

studding sail. honnette. square -s. voiles carrées. stay -. voile d'étai. voiles goëlettes. try -. fore and aft -s. voiles auriques. head (of a sail). tétière, f. chute, f. leech --. luff ---. lof, m. foot ---. fond, m. les points d'écoute. clews ---. tack amure, f. sheets -. écoutes, f. navigation, f. sailing. plane -. navigation à l'aide des cartes. traverse ---. navigation à la bouline. rate of -. la vitesse du navire. navigation orthodromique, great circle -. sur l'arc de grand cercle. navire à voile. - vessel. navires en partance. sailings (list of). marin, m. sailor. grand salon. saloon. voyageur de première. - passenger. salute. salut, m. to fire a -. faire un salut. to return a --. rendre un salut. un salut de 21 coups de canon. a - of 21 guns. samson's post. épontille, f. screw (of steamer). hélice, f. [devant le temps. avoir le vent sous vergue, fuir to scud. - under bare poles. courir à sec. dalot, m. scupper. scuttle (of a ship). hublot, m. saborder, couler bas. to ---. mer, f. sea.

arm of the sea.	un bras de mer.
a —.	un coup de mer.
at —.	sur mer.
high —s.	la pleine mer.
inland —.	mer intérieure.
open —.	la pleine mer.
to put to —.	mettre à la mer.
to ship a —.	embarquer un coup de mer.
to go to —.	prendre la mer.
to stand out to	se tenir au large.
to come from the	venir de la mer.
— chart.	carte marine, f.
— coast.	la côte, le littoral.
— man.	homme de mer.
— port.	port de mer, m.
— shore.	côte, f.
the state of the —.	l'état de la mer.
calm —.	mer belle.
chopping —.	mer clapoteuse.
high —.	grosse mer.
heavy —.	mer houleuse.
long —.	mer longue.
squally —.	mer assez grosse.
short —.	mer courte.
smooth —.	mer plate.
very smooth —.	mer très belle.
very heavy —.	mer furieuse.
the — is getting up.	la mer se fait.
the — is falling.	la mer tombe.
seaman.	marin, matelot, m.
seamanship.	manœuvre, f., matelotage, m.
seizing.	amarrage, m.
flat —.	amarrage à plat.
throat —.	amarrage plat double.
racking —.	amarrage en portugaise.

sennit. tresse anglaise, f. French tresse, f. sentry. serve a rope (to). setting up rigging. sextant. sextant, m. shackle. manille, f. sheave hole (of mast). caisse, f. sheepshank. sheet (rope). écoute, f. - tackle. shelf-piece. la bauquière. shell (shrapnel). obus, m. -- (bomb). bombe, f. shift (of the wind). ship. a full-rigged -. un carré. on board -.. à bord. --'s company. l'équipage, m. -'s sterward. - of the line. navire à voile. sailing -. steam -. screw -. starboard wing -. port wing -. the rear -. training -. training - for naval cadets. l'école de marine, f. training — for boys. - broker. --- builder. - chandler.

- orener.

-- 's husband.

factionnaire, m. fourrer une manœuvre. rider le gréement. une jambe de chien. un palan de retenue. une saute de vent. navire, m., bâtiment, m. le commis aux vivres. vaisseau de ligne. navire à vapeur. navire à hélice. le vaisseau de droite. le vaisseau de gauche. le vaisseau de queue, or serre-file. un vaisseau école. l'école des mousses, f. courtier maritime. constructeur de navires. fournisseur de navires. armateur. le gérant du bord.

ship's papers.
— yard.
shipment.
shipping.
— agent.
— charges.
— intelligence.
- office.
shore.
to shove off (a boat).
shove off!
shrapnel.
shrouds.
sight (in).
within —.
to lose — of land.
to take —s.
signal.
sink (of a ship).
skipper.
skylight (of a ship).
slab-lines.
slack off!
sling (to).
butt —.
sloop.
— of war.
slops (of a sailor).
smack (fishing).
smuggler.
sound.
sounding.
to try the —s.
south.
southerly.

les papiers du bord. chantier, m. chargement, m. la marine marchande. expéditeur, m. frais de mise à bord. nouvelles de mer. une agence maritime. la terre, le littoral. pousser au large. au large! obus, m. haubans, m. pl. en vue. à portée de la vue. perdre la terre de vue. prendre des observations. signal, m., signaux, pl. la sentine. patron, m. claire-voie, f. fausses-cargues, f. mollissez! élinguer. élingue double, f. sloop, m. corvette, f. les effets d'habillement. bateau pêcheur. contrebandier, m. sonde, f. sondage, m. chercher la sonde. sud (see compass). du sud, du midi.

spanker.	brigantine, f.
— boom.	gui or bôme, f.
— gaff.	corne, f.
— peak halliard.	martinet, m.
spar.	espars, m.
spare—s.	drome, f.
speed.	vitesse, f.
half —.	demi-vapeur.
full —.	à toute vapeur.
spider.	un arc-boutant de brasséyage.
splice.	épissure, f.
to —.	épisser.
eye —.	æil épissé.
long —.	épissure longue, f.
short —.	épissure carrée, f.
splicing-fid.	épissoir, m.
sponsons.	les jardins des tambours, m.
— rims.	élongis des jardins, m. (dière)
sprit-sail.	voile à livarde (formerly civa
sprocket wheel.	hérisson, m.
— — of the capstan.	la couronne.
spun-yard.	bitord, m., fil de caret, m.
squadron (of ships).	escadre, f.
square the yards!	brassez carré!
squall.	rafale, f.
squally.	venteux.
staff and ball.	balise, f.
stanchion.	étançon, m.
quarter —s.	jambettes, f. pl.
stand by!	attention! soit paré à!
— across.	mettre en travers.
— on.	suivre la même route.
— out to sea.	se tenir au large.
— to eastward.	faire route à l'est.
standard (flag).	pavillon, m.

ctan dand (timber)	anyaha f
standard (timber).	courbe, f.
	tribord.
hard a —!	tribord tout!
on the — bow.	par tribord devant.
— a bit!	tribord un peu!
staunch.	étanche.
stay.	étai, m.
back —s.†	galhaubans, m.
to be smart in —.	virer facilement.
to be in —s.	être vent devant.
to miss —s.	manquer à virer.
short —s.	virer à pic.
the ship is hove in —.	le navire vire bien.
steady (hoisting)!	doucement!
— (steering)!	comme-ça!
steam.	vapeur, f.
<i>by</i> —.	à la vapeur.
to get up —.	chauffer.
is — up?	y-a-t-il de la pression?
— is up.	il y a de la pression.
to shut off —.	couper la vapeur.
— boat.	bateau à vapeur.
— engine.	machine à vapeur, f.
— pressure gauge.	manomètre m.
— navigation.	navigation à la vapeur.
- ship.	navire à vapeur, m.
to —.	jeter de la vapeur.
to — full speed.	aller à toute vapeur.
to — away.	s'éloigner.
steamer.	vapeur, m.
to steer.	gouverner.
— clear of.	éviter.
- cicur oj.	coller.

^{*} See note on 'port,' p. 37.

[†] For the names of stays, see under the name of each special one.

48 to steer close to the wind. steerage. — (fore). - passenger. — — on large steamers. - way. steering. steersman. stem. from — to stern. stemson. stern. - ports. - post. in the - sheets. - way. stevedore. steward. -'s room. mess stirrups. stoke-hole. stoker. stop! to — (the engines). - her! store-room (on board ship). storm. stormy. stove in. to stow. — (the anchor).

stowage. strand (shore).

— (of a rope).

gouverner au plus près. timonerie, f. l'avant, m. passag-er, -ère, de l'avant. passag-er, -ère, d'entrepont. sillage, m. action de gouverner. timonier, m. étrave. de l'avant à l'arrière. le marsouin d'avant. l'arrière, m. sabords de retraite. étambot, m. à l'arrière. aller en culant. arrimeur. m. le commis aux vivres. la cambuse. le maître d'hotel étriers. m. la chambre de chauffe. chauffeur, m. stop! stopper. stoppez! soute, f. orage, m., ouragan, m. orageu-x, -se. défoncé. arrimer. saisir. l'arrimage, m. plage, f., grève, f. toron, m.

stranding. stress of weather. strop. to put a - on a rope. to put a - on a mast. studding sail. lower -. top-gallant -.. - boom. submarine. sun. - beam. - rise. - set. at - rise. at --- set. supercargo. surf. surge. -- (to).

— (to). surgeon. swab.

— (for gun). swamped. swell.

there is some —. swinging boom.

to lie at the —.

tack.

— (to make a).
the gaining —.
to make short —s.
down main —!
to be on the port —.

échouement, m. gros temps, m. estrope, f. nœuvre. frapper une erse sur une mafrapper une erse sur un mât. bonnette, f. bonnette basse. bonnette de hune. bout dehors de bonnettes. sous-marin, m., sous-marine, f. soleil, m. un rayon de soleil. le lever du soleil. le coucher du soleil. au lever du soleil. au coucher du soleil. subrécargue, m. ressac, m. lame, f. choquer. chirurgien, m. faubert, m. écouvillon, m. empli. houle, f. il y a de la houle. tangon, m. séjourner au tangon.

amure, f.
faire une bordée, f.
le bon bord.
courir à petits bords.
amure la grand'voile!
avoir les amures à babord.

to be on the starboard tack. lee -. to raise tacks and sheets. to -. to - about. tackle (the) of a ship. luff -. fore -. top -. deck -. reef -. rolling -. taffrail. tar. to ---. target. to fire at a -. tarpaulin. tatoo. to beat a -. telescope. tempest. tempestuous. tender. thermometer. thick (weather). thimble. throat halliards. thrumb (to). thunder.

- storm.

thwarts.

avoir les amures à tribord. amure de revers. lever les lofs. virer. louvoyer, courir une bordée. les apparaux, m. palan à croc, m. [caliorne, f. - (apparel and furniture). les agrès, m. pl., palan, m., cartahu double. caliorne, f. marguerite, f. palanguin, m. palan de roulis, m. couronnement, m. goudron, m. goudronner. cible, f. tirer à la cible. toile goudronnée, f. la retraite. battre la retraite.* une lunette d'approche, une tempête, f. [longue vue. orageux. patache, f., allége, f. thermomètre, m. brumeux. cosse, f. une drisse de mât. larder. tonnerre, m. orage. m.

les bancs de rameurs.

^{*} Not to be confounded with battre en retraite, 'to retreat.'

tidal.	de marée.
— harbour.	port à marée.
tide.	marée, f.
flood —.	le flot.
ebb —.	la marée descendante. [eau.
spring —.	marée de syzygie, marée de vive
neap —.	la morte-eau.
the turn of the —.	le changement de marée.
weather —.	marée portant au vent.
tiller.	drosse (f.) de gouvernail.
— ropes.	mèches, f.
toggle.	cabillot, m.
ton.	tonneau (English ton = 1016
	kilos.).
tonnage.	jauge, f.
register —.	jauge officielle.
net register —.	jauge nette.
top.*	hune, f.
top-mast cross-tree.	les barres de perroquet.
top-sail.	hunier, m.
— yard.	vergue d'hune.
upper —.	hunier volant.
lower —.	hunier fixe.
mizen —.	perroquet de fougue.
buntlines —.	retraite de hune.
— schooner.	brick goëlette, m.
tornado.	ouragan, m., cyclone, m.
torpedo.	torpille, f.
— boat.	torpilleur, m.
to plant a ground —.	mouiller une torpille de fond.
locomotive —.	torpille automotrice.
Whitehead —.	la torpille Whitehead.
electric —.	torpille électrique.

^{*} See under the names of the different masts and sails.

to fish up a torpedo. to explode a -.. clock-work ---. tow (stuff). to - (a boat or ship). to take in -. - rope. towage. towing. - harwser. transom. tricing line. treenail. to trim the sails. trough of the sea. truck. main -. trysail (storm). tug. turret ship. to unbend (a sail). to — (a cable). uniform. full dress -. undress -...

to unbend (a sail).

to — (a cable).

uniform.

full dress —.

undress —.

summer dress —.

winter dress —.

union jack.

unlading.

unloading.

days for —.

unmoor.

unmooring.

unrig.

relever une torpille. faire partir une torpille. torpille à mouvement d'horloétoupe, f. gerie. remorquer. prendre à la remorque. le faux bras. la remorque. remorque, f. grelin, m. la barre d'arcasse. suspensoir, m. gournable, f. bien orienter les voiles. le creux de la lame. la pomme du mât. la pomme du grand mât. goëlette de cape, f. remorqueur, m. navire à tourelle.

déverguer.

détalinguer.

uniforme, m.

la grande tenue.

la petite tenue, la tenue de service.

la tenue d'été.

la tenue d'hiver.

le pavillon anglais.

déchargement, m.

jours de starie. désaffourcher. démarrage, m. dégréer. unship.
— oars!

valve.

safety —.

vane.

variation (of the compass).

veer (a cable) (to).

to — away cable.

the wind has —ed.

vessel.

victuals.

wages.
wake (of a ship).
wales.
chain —.
ward-room.
— officers.
warrant officer.
watch.
to be on the —.
dog —.
water.
— line.
— logged.
— spout.

— tight.

— — bulkheads. we called at Malta to —. the ship makes —.

waterman.

wave.

to get under -..

désarmer, débarquer. lève rames !

soupape, f.
soupape de surêté.
girouette, f.
la variation du compas.
filer.
filer du cable.
le vent a changé.
vaisseau, m.
les vivres, m.

la solde. sillage, m. préceintes, f. porte haubans, m. pl. le carré des officiers. les officiers du carré. maître, m. quart, m. faire le quart. les petits quarts. eau, f. la ligne de flottaison. plein d'eau. trombe, f. étanche. cloisons étanches. [faire de l'eau. nous avons relaché à Malte pour le navire fait eau.

batelier, m.

appareiller.

vague, f.

erre, f.

under way. to wear. weather. -- (to). bad ---. beautiful -. clear cloudy ---. cold —. damp —. dark —. dry —. fair —. foggy -. foul —. fresh -. hot mild -. misty —. rainy --. rough -... squally --. stormy -. sultry --. threatening -. unsettled -.. wet a change of -. forecasts of -. the - is improving. --- side. hard a -! in stress of -. weigh (to be under). to — the anchor.

appareiller en marche. virer lof pour lof. temps, m. doubler. mauvais temps. beau temps. temps clair. temps nuageux. temps froid. temps humide. temps sombre. temps sec. beau temps. temps brumeux. mauvais temps. temps frais. temps chaud. temps doux. temps embrumé. temps pluvieux. temps dur. temps à grains. temps orageux. temps lourd. temps menaçant. temps incertain. temps humide. un changement de temps. prédictions du temps. le temps s'embellit. le côté du vent. arrive tout! par un gros temps. être en marche. lever l'ancre.

west.
whaler.
wharfinger.
wheel (of helm).
the man at the —.
whelps.
wherry.
whip a rope (to).
whistle.
winch.

wind. to take the — out of a sail. head -. fair —. to haul the -. high —. going before the -. the - has veered. - abeam. a shift of ---. on a --. steady —. unsteady -. strong -s. the - has lulled. the — is backing. the — is due east. the — freshens. the - is getting up. how is the -? northerly -. easterly --. southerly —.

westerly -.

trade -s.

ouest. m. 4 un baleinier. un garde quai. la roue du gouvernail. l'homme de barre. les taquets de guindeau. bac, m., bachot, m. faire une sourliure. sifflet. m. treuil, m. vent. m. déventer une voile. vent debout. bon vent. serrer le vent. grand vent. avoir vent arrière. le vent à tourné. vent de travers. une saute de vent. au plus près. vent fait. brise inégale. de fortes brises. le vent a molli. le vent redescend. le vent est franc est. la brise fraichit. le vent se fait. d'où vient le vent? vent de nord. vent d'est. vent de sud. vent d'ouest. les vents alizés.

windlass. windward (to). wings. work (to) a ship. world (to sail round the). worm (to). wreck. vacht. yard.* top-sail ---. top gallant -. cross jack -. - tackle purchase. - arm. the slings of a -. to square the -s. square -s! yarn. spun -. yoke (of rudder). zenith.

zero.

guindeau, *m*. au vent. cloisons latérales, *f*. manœuvrer un bâtiment. faire le tour du monde. congréer. naufrage, *m*.

yacht, m.
vergue, f.
la vergue d'hune.
la vergue de perroquet.
vergue de fortune.
un palan de bout de vergue.
un bout de vergue.
la suspente d'une vergue.
dresser les vergues.
brassez carré!
fil de caret, m.
bitord, m.
la barre.

le zénith. zéro, m.

^{*} Also see under the special names of yards.

FRENCH METRIC SYSTEM OF WEIGHTS AND MEASURES.

-:---

The system is decimal throughout.

The basis of the system is the *mètre*, which is equal to 39'3708 inches. The *mètre* is divided into ten parts, called *décimètres*; each *décimètre* into ten parts, called *centimètres*; and each *centimètre* into ten parts, called *millimètres*. Therefore, I mètre = 10 décimètres = 100 centimètres = 1000 millimètres.

Square and cubic measures are derived from the *mètre*. The sub-divisions of the square and cubic measures are the same as for the linear *mètre*, but naturally

```
I square mètre = 100 square décimètres.

"" " = 10,000 ", centimètres.

"" " = 1,000,000 ", millimètres.

I cubic ", = 1,000,000 ", centimètres.

"" " = 1,000,000 ", centimètres.

"" " = 1,000,000 ", millimètres.
```

The *litre*, used for measures of capacity, is equal to the contents of a cube whose side is I décimètre long. Therefore, a cubic décimètre is the same as I litre (not quite an English quart).

The gramme, which is the unit of weight, is equal to the weight of one cubic centimetre of pure water at the temperature of 4 degrees centigrade, weighed in Paris.

To form multiples, the words deca (10), hecto (100), kilo (1000), myria (10,000), are prefixed to the names of the particular measure. Thus kilogramme = 1000 grammes; myriamètre = 10,000 mètres. For the sub-multiples, the words déci $(\frac{1}{10})$, centi $(\frac{1}{100})$, milli $(\frac{1}{1000})$, are used in the same manner as the multiples, e.g. décilitre = $\frac{1}{10}$ of a litre; centigramme = $\frac{1}{100}$ of a gramme.

TABLE I.

MEASURES OF LENGTH.

Yards.	0.0010936	0.0109363	0.1093633	1.0936331	10,6363306	109:3633056	1093.6330556	10936.3305556	
	:	:	:	:	:	:	:	:	
Feet.	0.003281	0.032809	0.328090	3.580989	32.809892	328.089917	3280.899167	25808.691667	
	:	:	:	:	:	:	:	:	
Inches.	0.03937	0.39371	3.63708	39.37079	393.70790	3937.07900	39370.79000	393707'90000	
	ii	II	II	li	II	II	il	li	
	fillimètre	Centimètre	Oécimètre	MÈTRE)écamètre	lectomètre	ilomètre	iamètre	

CUBIC, OR MEASURES OF CAPACITY.

	Cubic inches.	Cubic feet.	Pints.		Gallons.	Bushels.	
Millilitre, or cubic centimètre =	0.06103	0.06103 0.000035	9/100.0	Ŭ	D.000220I	0.0000275	
Centilitre, 10 cubic do =	72019.0 =	0.000353	19410.0	:	o. 002200.c	0.0002751	
Décilitre, 100 cubic do =	6.10271	0.003532	80941.0		7900220.0		
LITRE, or cubic décimètre =	61.02705	0.035317	1.1094.1		1960022.0	0.0275121	
Décalitre =	610.27052	0.353166	17.60773		2.2009668		
Hectolitre =	6102.70515	3.531658	176.07734		22.0096677	2.7512085	
Kilolitre =	61027 05152	35.316581			1919960.022	27.5120846	
Myrialitre =	610270'51519 353'165807 17607'73414 2200'9667675 275'1208459	353.165807	17607.73414	2200	5494996.c	275.1208459	

MEASURES OF WEIGHT.

Avoirdupois lb. Cwt. = 112 lb. Tons = 20 cwt.	0.0000022 0.0000000 0.0000000	0.0000220 0.0000002 0.0000000	0.0000020	4610000.0	8961000.0	0.0019684	2.2046213 0.0196841 0.0009842	0.1968412
	000.0		000.0	0.032151 0.0022046	0.022	0.220		
Troy oz.	_	0.000322	0.003215	0.032151	0.321507	3.215073	32.150727	321.507267
Grains.	0.01543	0.15432	1.54323	15'43235	154.32349	1543.23488	15432.34880	154323.48800 321.507267
	11		11	11	11	11	11	11
	filligramme	Centigramme	Décigramme	GRAMME	Décagramme	Hectogramme	Xilogramme	Myriagramme

SQUARE, OR MEASURES OF SURFACE.

385 0.0002471	457 0'0247114	724 2.4711431		
36000.0	78860.0	9.8845		
0.0395383	3.9538290	395.3828959	lbs.	lbs.
:	:	:	9)I]
54299 1.196033	29934 119'603326	3419 11960.332602	qrs. 24.46 lbs. = 220°.	= 1000 kilos = 19 cwt. 2 qrs. 20'61 lbs. = 2204'61 lbs.
2.01	1076.42	107642.99	: I cwt. 3	. 19 cwt. 2
:::	!	es =	kilos =	kilos =
nètre	mètres	₁ . mètr	100	1000
entiare, or square n	ARE, or 100 square 1	Hectare, or 10,000 sq	A French Quintal =	A French Ton =
	Centiare, or square mètre = 10'764299 1'196033 0'0395383 0'0009885 0'0002471	Centiare, or square mètre = 10764299 1196033 0 0395383 0 0000885 0 0002471 ARE, or 100 square mètres = 1076 429934 119 603326 3 9538290 0 0988457 0 00247114	Centiare, or square mètre = 10°764299 1′196033 0°0395383 0°0009885 0°0002471 ARE, or 100 square mètres = 1076°429934 11960°33260 39538290 0°0988457 0°0247114 Hectare, or 10,000 sq. mètres = 107642°993419 11960°332602 395°3828959 9°8845724 2°4711431	Centiare, or square mètre = 10'764299 1'196033 0'0395383 0'0009885 0'0002471 ARE, or 100 square mètres = 107642'9934 119'6033260 3'9538290 0'0988457 0'0247114 Hectare, or 10,000 sq. mètres = 107642'993419 11960'332602 395'3828959 9'8845724 2'4711431 A French Quintal = 100 kilos = 1 cwt. 3 qrs. 24'46 lbs. = 220'46 lbs.

ENGLISH.
INTO
MEASURES
AND
METRIC WEIGHTS
METRIC
OF
CONVERSION
THE
II.—FOR
TABLE

poles.	888 48 1 2 9 8 8 8 48 1 2 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
roods.	н м н м н м о м н м н м н м н м н м н м
acres.	2 4 7 0 2 1 1 2 2 2 4 4 7 6 1 2 1 2 4 4 7 6 1 2 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Hectares	1 2 8 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
°zo	44-19334 -44-13
.sdI	2 4 4 6 8 11 11 11 11 11 11 11 11 11 11 11 11 1
drs.	оооооооониммониммимм
cwts.	000000000000000000000000000000000000000
Kilogs.	1 2 2 4 7 0 7 8 9 0 1 2 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
pnspels.	2.751 3.0254 3.0254 3.0255 5.0255 6.048 6.048 7.669 7.
drts.	0.0 1 1 1 2 2 2 2 2 2 2 2 4 2 5 2 5 2 5 1 7 1 7 1
Hecto- litres into	1 4 2 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
quarts.	0.880 1.761 2.641 3.521 1.282 2.163 3.923 0.803 0.015 0.015 0.153
gals.	0 0 0 0 0 0 1 1 1 1 2 4 4 9 9 1 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 1 5 1
Litres of into	1 9 8 4 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
yards.	1009 4247 4248 8258 1228 1228 1229
.səlim	0112884420 2112884420 211884420 212844820 212844820 212844820
Kiloms, into	1 2 2 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
,sbray	1.094 4.374 3.2187 4.374 4.374 9.8439 10.936 87.552 87.553 87.753
Mètres oni	1 4 8 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

TABLE III.

Comparison of English with Metrical Weights and Measures.

MEASURES OF LENGTH.

Inch (pouce)	=	0.02549	mètres.
Foot (pied)	=	0.30479	,,
Yard	=	0.91438	,,
Fathom (brasse)	=	1.82877	"
Pole or Perch (5½ yards)	=	5.05911	99
Furlong (220 yards)	=	201'16437	,,
Mile (1,760 yards)	=	1609.31	"

SQUARE MEASURES.

Yard	=	o.83610 square mètres.
Rod	=	25°29194 " "
Rood (1,210 square yards)	=	10.11647 " "
Acre (4,840 square yards)	=	0.40467 hectares (100 ares).

CUBIC MEASURES.

Pint ($\frac{1}{8}$ of gallon)	=	0.5679 litre.
Quart (1/4 of gallon)	=	1.1329 "
Imperial Gallon	=	4.543468 ,,
Peck (2 gallons)	=	9.086916 "
Bushel (8 gallons)	=	36°34766 "
Sack (3 bushels)	=	1.09043 hectolitre (100 litres).
Quarter (8 bushels)	=	2.90781 ,,
Chaldron (12 sacks)	=	13.08516 "

WEIGHTS.

```
6.479895 centigrammes (\frac{1}{100} gr.).
Grain (1/24 dwt.) .....
Pennyweight (\frac{1}{20} \text{ oz.})
Ounce (\frac{1}{12} \text{ lb. troy})...
                               = 1.555175 gramme.
                               = 31.103496
Pound (5,760 grs.) ...
                               = 373'241948
                               = 1.771846 
= 28.349540
( Dram (\frac{1}{16} \text{ oz.}) ......
 Ounce .....
Pound (7,000 grs.) ...
                               = 453.592645
 Cwt. (112 lbs.) .....
                                    50.802 kilogrammes.
                               =
Ton (20 cwt.) ......
                               = 1016.048
```

TABLE IV.

ENGLISH COINS AND BANK-	FRENCH COINS AND	BANK-		
NOTES.	NOTES.			
Monnaies anglaises et billets de	Monnaies françaises et	billets de		
banque.	banque.			
0.11				
Gold. frcs. cts.	Gold.	£. s. d.		
Sovereign, £1 25 ° 00*	Pièce de 100 frcs	4 0 0†		
Half-sovereign, 10s. 12 ' 50	,, 50 ,,	2 0 0 1		
	,, 40 ,,	I 12 0†		
Silver.	" 20 "	0 16 0		
Crown, 5s 6 · 25	" IO "	080		
Half-crown, 2s. 6d 3 · 125	,, 5 ,,	0 4 0†		
Florin, 2s 2 · 50	Silver.			
Shilling, Is I · 25	,	0 4 0		
Sixpence, 6d 0 • 60	Pièce de 5 frcs	0 4 0		
Fourpence, 4d 0 · 40	,, 2 ,,	0 I $7\frac{1}{2}$ 0 0 $9\frac{3}{4}$		
Threepence, 3d o · 30	" I " " 0.50 "	$0 0 9_4$ $0 0 4_4^3$		
	" 6.50 "	0 0 44		
Copper.	Copper.			
Penny, 1d 0 · 10	Io centimes	0 0 I		
Half-penny, $\frac{1}{2}d$ 0 0 05	5 "	0 0 01		
Farthing 0 ° 025	2 ,,	0 0 '2		
Tartining 0 025	I "	I. 0 0		
NT 4	NT. /			
Notes.	Notes.			
£5 125 · 00	50 francs	2 0 0		
£10 250 · 00	100 ,,	4 0 0		
£50 1250 · 00	200 ,,	8 0 0		
£100 2500 · 00	500 ,,	20 0 0		
£1000 25000 ° 00	1000 ,,	40 0 0		

N.B.—The above equivalent values are given as nearly as possible, and without any regard to the fluctuation of the exchange.

^{*} When changing English money into French, it is well to bear in mind that the rate of exchange is nearly always in favour of English money. The sovereign frequently fetches 25 25 frcs., and even as much as 25 37 frcs.

[†] Scarcely ever seen.

TABLE V.

THE ENGLISH BAROMETRIC SCALE IN FRENCH MILLIMÈTRES.

ENGLISH BA	ROMETI	ER. FRI	ENCH BAROMETER.	
31	inches.		787:39 millimètres.	
30.9	22			
30.8	11			
30.2	32		779.77	
30.6	22		777`23 "	
30.2	22		774.69 ,,	
30.4	22	• • • • • • • • • • • • • • • • • • • •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
30.3	22		/ - /	
30.5	22		/ -/ -/ 11	
30,1	99		"" 1-7 33 11	
30	32	• • • • • • • • • • • • • • • • • • • •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
29.9	93	•••••		
29.8	99	*******************	13- 2- 11	
29'7	22	••••••	75757	
29.6	23	***************************************		
29.5	23	••••••	1-177 11	
29.4	11	• • • • • • • • • • • • • • • • • • • •	/ = - / 3	
29.3	22	•••••••	/ //	
29.2	22	•••••••••	/ /	
29'I	39	•••••••		
29	32	••••••••	,,,	
28·9 28·8	33	***************************************	···· / J ¬ ¬ J	
28.7	23	***************************************	···· / J	
28.6	22	•••••	"" " " " " " " " " " " " " " " " " "	
28.2	99	••••••••	10 11	
28.4	33	•••••••••••••••••••••••••••••••••••••••	1-3 -7 11	
28.3	33		778·87	
28.3	33		716:07	
28.1	"		772.72	
28	27		711.10	
27.9	22	***************************************	708.6F	
27.8	22	***************************************	706:11	
27.7	11		מאירה	
27.6	"		701:02	
27.5	"		608:40	
27.4	"		605.05	
27.3	11		602:41	
27.2	32			
27.1	"			
27	"		005 50	

TABLE VI.

THE THERMOMETERS.

The Centigrade thermometer is universally used by scientific men, and it is the scale most generally employed on the continent. The Germans call it the 'Celsius thermometer.'

The Réaumur scale is principally used in Russia. In these two scales the freezing point is denoted by 0, and the boiling point respectively by 100 and 80. Therefore, 100 degrees Centigrade = 80 degrees Réaumur = 180 degrees Fahrenheit.

As the indications of the Fahrenheit scale begin at 32 degrees, and not at zero, we must remember that in converting from degrees Fahrenheit to Centigrade or Réaumur, 32 degrees must first be subtracted; whilst when we convert degrees Centigrade or Réaumur into Fahrenheit, 32 degrees must be added after the multiplication and division have been made.

It is important to remember that, since 100 degrees Centigrade = 80 degrees Réaumur = 180 degrees Fahrenheit,

5 degrees Centigrade

=4 ,, Réaumur

=9 ,, Fahrenheit.

Example I. Express 59° Fahrenheit into Centigrade.

9:5::(59-32): Answer, that is,
$$\frac{5 \times 27}{9} = 15^{\circ}$$
 Cent.

Example II. Express 95° Fahrenheit into Réaumur.

9:4::(95 – 32): Answer, that is,
$$\frac{4 \times 63}{9} = 28^{\circ}$$
 Réaumur.

65

Example III. Express 28° Réaumur into Fahrenheit.

4:9::28: Answer, that is, $\frac{9 \times 28}{4} = 63$, to which add 32 = 95° Fahrenheit.

Example IV. Express 25° Centigrade into Fahrenheit.

5:9::25: Answer, that is, $\frac{9\times25}{5}$ = 45, to which add 32 = 77° Fahrenheit.

Example V. Express 25° Centigrade into Réaumur.

5:4::25: Answer, that is, $\frac{4\times25}{5}=20^{\circ}$ Réaumur.

Example VI. Express 28° Réaumur into Centigrade.

4:5::28: Answer, that is, $\frac{5 \times 28}{4} = 35^{\circ}$ Centigrade.

N.B.—If the number of degrees Fahrenheit to be converted into degrees of the other scales happened to be below 32, the results obtained would be negative, that is, below o.

Example VII. Express 23° Fahrenheit into Centigrade.

9:5::(23-32): Answer, that is, $\frac{5 \times (-9)}{9} = -5^{\circ}$ Cent.

N.B.—See next page for a Table of the most common degrees of Fahrenheit into degrees of the Centigrade scale.

Here follows a table giving the degrees Centigrade corresponding to the degrees Fahrenheit most commonly used.

- Politario					
Fahrenh.	Centigrade.	Fahrenh.	Centigrade.	Fahrenh.	Centigrade.
— 10°	— 23°33	34°	ı°ıı	78°	25°56
	— 22.78	35	1.67		26.11
— 9 — 8	- 22.22	35 36	2.22	79 80	26.67
- 7 - 6	- 21.67	37	2.78	81	27.22
	- 21.11	38	3.33	82	27.78
 5	— 20.26	39	3.89	83	28:33
- 4	- 20.00	40	4.44	84	28.89
- 3	- 19.44	41	5.00	85	29'44
_ 2 .	— 18.89	42	5.26	86 .	30.00
— I	— 18.33	43	6.11	87	30.26
0	— 17.78	44	6.67	88	31,11
I	— I7:22	45	7:22	89	31.67
2	— 16.11 — 16.64	46	7.78	90	32.22
3 4	— 15·56	47 48	8.89	91	32.78
4	— 15.00 — 12.00	49	9'44		33.33
5	— I4·44	50	10.00	93	34'44
7	- 13.89	51	10.26	95	35.00
7 8	- 13.33	52	11.11	96	35.26
9	— 12.78	53	11.67	97	36.11
10	- 12:22	54	12.22	98	36.67
II	- 11.67	55	12.78	99	37.22
12	- 11.11	56	13.33	100	37.78
13	— 10.26	57 58	13.89	IOI	38.33
14	- 10.00	58	14.44	102	38.89
15	— 9.44	59	15.00	103	39°44
	- 8.89	60	15.26	104	40.00
17 18	— 8.33	61	16.11	105	40.26
19	— 7.78	62	16.67	106	41.11
20	— 7·22 — 6·67	63	17.22	107	41.67
21	- 6.11 - 0.0\	65	18.33	108	42.22
22	— 5·56	66	18.89	109	43'33
23	- 5.00	67	19'44	III	43.89
24	- 4.44	68	20.00	II2	44.44
25	- 3.89	69	20.26	113	45.00
26	- 3.33	70	21.11	114	45.26
27	- 2.78	71	21.67	115	46.11
28	- 2.22	72	22.22	116	46.67
29	— I.67	73	22.78	117	47.22
30	- 1.11	74	23.33	118	47.78
31	— o.26	75	23.89	119	48.33
32	- 0.00	76	24.44	120	48.89
33	0.26	77	25.00	121	49.44

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